

01-15-02

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Derderian et al.

Docket No.: 150.0088 0103

Title: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME

Assistant Commissioner for Patents  
ATTN: Box PATENT APPLICATION  
Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- ☒ An itemized return postcard.  
☒ UTILITY PATENT APPLICATION including:  
☒ Specification (36 consecutively numbered pgs, including 68 claims on 11 Consecutively numbered pgs and a 1 pg Abstract);  
☒ Drawings (11 figures on 6 sheets);  
☒ A signed Declaration (2 pgs); and an Election Under 37 C.F.R. §§3.71 and 3.73 and Power of Attorney (3 pgs, including copy of 2 pg Assignment) filed in the prior application.  
☒ Other: Request for Filing a Divisional Patent Application Under Rule 1.53(b) (3 pgs).  
☒ A check in the amount of \$878 to pay the filing fee, which is calculated below:

APPLICATION FILING FEE					
	Number of Pending Claims (1)	Claims Included in Basic Filing Fee (2)	Number of Extra Claims (1-2)	Cost per Extra Claim	Fee Required
Total Claims	23	20 =	3	x \$18 =	\$54
Independent Claims	4	3 =	1	x \$84 =	\$84
One or More Multiple Dependent Claims Presented? If Yes, Enter \$270 Here →					--
Enter Basic Filing Fee (Utility Patent \$710) Here →					\$740
Total Application Filing Fee					\$878

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.  
Customer Number: 26813

By:

Name: Mark J. Gebhardt  
Reg. No.: 35,518  
Direct Dial: 612-305-1216  
Facsimile: 612-305-1228

## CERTIFICATE UNDER 37 CFR §1.10:

"Express Mail" mailing label number: EL888270894US

Date of Deposit: 25 October 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, ATTN: Box PATENT APPLICATION, Washington, D.C. 20231.

By:

Name: JACQUELYN K. TORBORG

(LARGE ENTITY TRANSMITTAL UNDER RULE 1.10)

10/25/01  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

jc903 U.S. PTO  
10/045345  
10/25/01

Docket Number	Anticipated Classification		Prior Application	
150.0088 0103	Class	Subclass	Examiner Dang	Art Unit 2818

**REQUEST FOR FILING A DIVISIONAL PATENT APPLICATION  
UNDER RULE 1.53(b)**

Assistant Commissioner for Patents  
Attn: Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

This is a request for filing a divisional application under 37 CFR §1.53(b) of Serial No. 09/589,849, filed on 8 June 2000, entitled METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME by the following inventor(s) (name, address, and citizenship):

- |  |  |
|--|--|
| <p>1. <b>Garo Derderian</b><br/>Address: <b>6184 South Schooner Pl.</b><br/><b>Boise, Idaho 83716</b><br/>Citizenship: <b>United States of America</b></p> | <p>2. <b>Vishnu K. Agarwal</b><br/>Address: <b>2382 East Red Cedar Ln. #A303</b><br/><b>Boise, Idaho 83716</b><br/>Citizenship: <b>India</b></p> |
|--|--|

1. ☐ Enclosed is a copy of the specification (including claims, abstract, and drawings) as filed in the prior application.
2. ☒ Enclosed is a new specification (including claims and abstract). The entire disclosure of the prior application is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference.
3. ☒ Enclosed is a copy of the Declaration, Election Under 37 C.F.R. §§3.71 and 3.73 and Power of Attorney, and Assignment as filed in the prior application.
4. ☐ Enclosed is a newly executed Declaration and Power of Attorney.
5. ☒ Enclosed are formal drawings (6 sheets).
6. ☒ Cancel in this application claims 1-45 before calculating the filing fee. (At least one independent claim must be retained for filing purposes.)
7. ☐ A preliminary amendment is enclosed.

Filed: Herewith

Title: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME

8. X The filing fee is calculated below:

CLAIMS AS FILED			
NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE \$740
Total Claims 23-20 =	3	\$18	\$54
Independent Claims 4-3 =	1	\$84	\$84
MULTIPLE DEPENDENT CLAIM PRESENTED		\$270	\$--
FILING FEE:			\$878

9. X A check in the amount of \$ 878 is attached.
10. X The Commissioner is hereby authorized to charge any additional fees as set forth in 37 CFR §1.16 to 1.18 which may be required by this paper or credit any overpayment to Account No. 13-4895.
11.    This application is being filed by less than all of the inventors named in the prior application. Please delete the names of the following inventor(s) who are not inventors of the invention claimed in the present application:
12. X Amend the specification by inserting as the first sentence on page 1, the following: -- This is a division of application Serial No. 09/589,849, filed 8 June 2000, (pending), which is incorporated herein by reference.--
13.    Priority of foreign application Serial No.   , filed on    in (country)    is claimed under 35 U.S.C. §119.
14. X The prior application is assigned of record to Micron Technology, Inc.
15. X The Power of Attorney in the prior application is to:

**Mark J. Gebhardt**  
Mueing, Raasch & Gebhardt, P.A.  
P.O. Box 581415  
Minneapolis, MN 55458-1415  
**Customer Number 26813**

Filed: Herewith

Title: METHODS FOR FORMING ROUGH RUTHENIUM-CONTAINING LAYERS AND STRUCTURES/METHODS USING SAME

Address all future communications to:

MUETING, RAASCH & GEBHARDT, P.A.

P.O. Box 581415

Minneapolis, Minnesota 55458-1415

**Customer Number 26813**

Attn: Mark J. Gebhardt

(Telephone: 612-305-1220)

(Facsimile: 612-305-1228)

Date: 25 Oct 2001



Mark J. Gebhardt

Reg. No. 35,518

Direct Dial (612)305-1216

"Express Mail" mailing label number EL888270894US

Date of Deposit 25 October 2001

I hereby certify that this paper and/or fee is/are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Attn: Box PATENT APPLICATION, Washington, D. C. 20231.

  
Name: JACQUELYN K. TORBORG